

**DIP SWITCH CONFIGURATION FOR INCREASED USABILITY WITH
MULTIPLE CARDS**

ABSTRACT

A backplane includes two data buses and two slots, each slot having two connectors, where each connector in the slot connects to a different data bus. The slots are adapted to receive two bus controller cards each having two backplane connectors, where the installed orientation of one card is opposite from the other installed card. On a particular bus controller card, each backplane connector is associated with a different data bus, depending on the slot into which the card is inserted. After insertion into a slot in the mass storage unit, a card recognizes the data bus connected to each backplane connector via the slot, and defines the relationship between the setting of each switch and control signals relating to the card and the backplane. The DIP switch settings for a card can then remain the same, independent of the particular slot into which the card is inserted.

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